

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 5 FEB 05 German (DE) application and patent publication number format changes
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004

=> file reg
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
SESSION
0.21
0.21

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004
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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6
DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

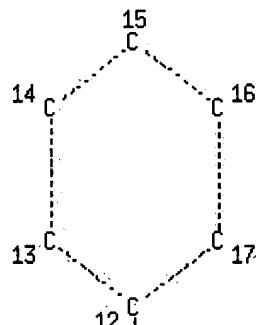
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

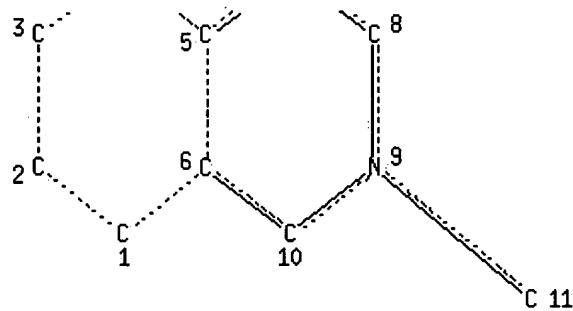
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



Page 1-A



Page 2-A

NODE ATTRIBUTES:

NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	R	AT	5

```

NSPEC  IS R      AT   6
NSPEC  IS R      AT   7
NSPEC  IS R      AT   8
NSPEC  IS R      AT   9
NSPEC  IS R      AT  10
NSPEC  IS RC     AT  11
NSPEC  IS R      AT  12
NSPEC  IS R      AT  13
NSPEC  IS R      AT  14
NSPEC  IS R      AT  15
NSPEC  IS R      AT  16
NSPEC  IS R      AT  17
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT  11
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

```

RSPEC 12
NUMBER OF NODES IS  17

```

STEREO ATTRIBUTES: NONE

```

=> s 11
SAMPLE SEARCH INITIATED 20:07:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  3117 TO ITERATE

```

```

32.1% PROCESSED    1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

34 ANSWERS

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      58992 TO    65688
PROJECTED ANSWERS:          1502 TO     2736

```

```

L2          34 SEA SSS SAM L1

```

```

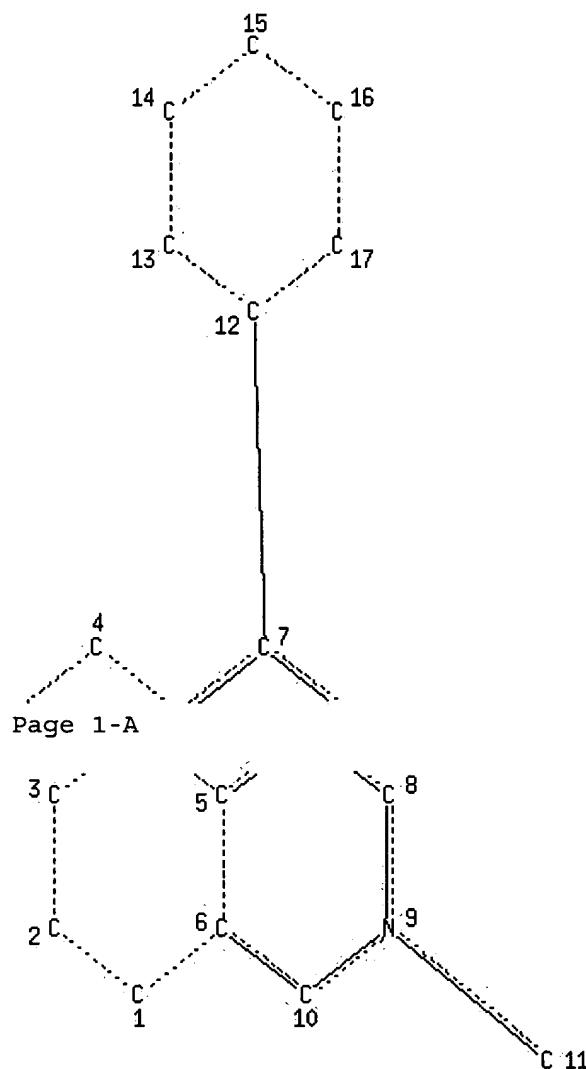
=>
L3          STRUCTURE UPLOADED

```

```

=> d 13
L3 HAS NO ANSWERS
L3          STR

```



Page 2-A

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS RC	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS R	AT	14
NSPEC	IS R	AT	15
NSPEC	IS R	AT	16
NSPEC	IS R	AT	17

DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 11
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

=> s 13
SAMPLE SEARCH INITIATED 20:08:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3117 TO ITERATE

32.1% PROCESSED 1000 ITERATIONS 30 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 58992 TO 65688
PROJECTED ANSWERS: 1290 TO 2450

L4 30 SEA SSS SAM L3

=> s 13 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:08:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS 1786 ANSWERS
SEARCH TIME: 00.00.01

L5 1786 SEA SSS FUL L3

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004
L1 STRUCTURE uploaded
L2 34 S L1
L3 STRUCTURE uploaded
L4 30 S L3
L5 1786 S L3 FULL

=> s 12 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:08:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS 2027 ANSWERS
SEARCH TIME: 00.00.01

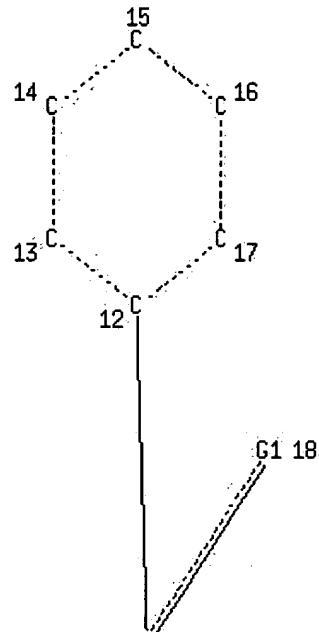
L6 2027 SEA SSS FUL L1

=> s 16 not 15
L7 241 L6 NOT L5

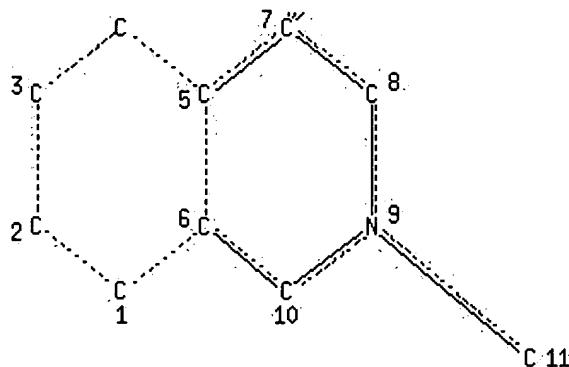
=>
L8 STRUCTURE uploaded

=> 18
 L8 IS NOT A RECOGNIZED COMMAND
 The previous command name entered was not recognized by the system.
 For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d 18
 L8 HAS NO ANSWERS
 L8 STR
 H 19 0 20 S 21 X 22
 Page 1-A



Page 1-B



Page 2-B

VAR G1=19/20/21/22

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10

```

NSPEC  IS RC    AT  11
NSPEC  IS R     AT  12
NSPEC  IS R     AT  13
NSPEC  IS R     AT  14
NSPEC  IS R     AT  15
NSPEC  IS R     AT  16
NSPEC  IS R     AT  17
NSPEC  IS C     AT  18
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT  11 19 20 21 22
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

```

RSPEC 12
NUMBER OF NODES IS  22

```

STEREO ATTRIBUTES: NONE

```

=> s 18
SAMPLE SEARCH INITIATED 20:10:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  3117 TO ITERATE

```

```

32.1% PROCESSED    1000 ITERATIONS          33 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                      BATCH   **COMPLETE**
PROJECTED ITERATIONS:      58992 TO    65688
PROJECTED ANSWERS:         1449 TO     2665

```

L9 33 SEA SSS SAM L8

```

=> s 18 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:10:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  62007 TO ITERATE

```

```

100.0% PROCESSED    62007 ITERATIONS          1889 ANSWERS
SEARCH TIME: 00.00.01

```

L10 1889 SEA SSS FUL L8

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

```

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004
L1          STRUCTURE uploaded
L2          34 S L1
L3          STRUCTURE uploaded
L4          -30 S L3
L5          1786 S L3 FULL
L6          2027 S L2 FULL
L7          241 S L6 NOT L5
L8          STRUCTURE uploaded
L9          33 S L8
L10         1889 S L8 FULL

```

```
=> s l10 not 15
L11      211 L10 NOT L5
```

```
=> file hcaplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
```

SINCE FILE	TOTAL
ENTRY	SESSION
468.36	468.57

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004
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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16
 FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l11
L12      24 L11
```

```
=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
```

SINCE FILE	TOTAL
ENTRY	SESSION
2.36	470.93

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004
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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6
 DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer

to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1	STRUCTURE UPLOADED
L2	34 S L1
L3	STRUCTURE UPLOADED
L4	30 S L3
L5	1786 S L3 FULL
L6	2027 S L2 FULL
L7	241 S L6 NOT L5
L8	STRUCTURE UPLOADED
L9	33 S L8
L10	1889 S L8 FULL
L11	211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

=> s 14 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 20:11:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS
 SEARCH TIME: 00.00.01

1786 ANSWERS

L13 1786 SEA SSS FUL L3

=> file hcaplus

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	626.35

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16
 FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1 STRUCTURE UPLOADED
 L2 34 S L1
 L3 STRUCTURE UPLOADED
 L4 30 S L3
 L5 1786 S L3 FULL
 L6 2027 S L2 FULL
 L7 241 S L6 NOT L5
 L8 STRUCTURE UPLOADED
 L9 33 S L8
 L10 1889 S L8 FULL
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1 STRUCTURE UPLOADED
 L2 34 S L1
 L3 STRUCTURE UPLOADED
 L4 30 S L3
 L5 1786 S L3 FULL
 L6 2027 S L2 FULL
 L7 241 S L6 NOT L5
 L8 STRUCTURE UPLOADED
 L9 33 S L8
 L10 1889 S L8 FULL
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

=> s l12 and beck, j?/au
 1487 BECK, J?/AU
 L14 1 L12 AND BECK, J?/AU

=> d l14, ibib abs fhitstr, 1

L14 ANSWER 1 OF 1 HCPLUS COPYRIGHT 2004 ACS on STN

Full Text | Citing References

ACCESSION NUMBER: 2002:51467 HCAPLUS
DOCUMENT NUMBER: 136:118393
TITLE: Preparation and use of furan-fused-4-phenyl substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD)
INVENTOR(S): Beck, James P.; Pechulis, Anthony D.; Harms, Arthur E.
PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 116 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

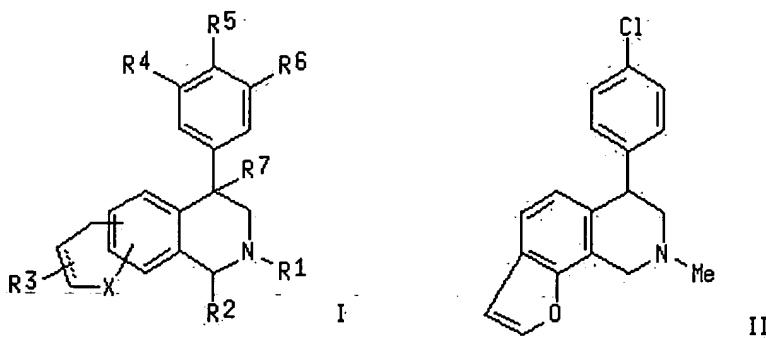
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>WO 2002004455</u>	A2	20020117	<u>WO 2001-US21818</u>	20010711
<u>WO 2002004455</u>	A3	20020620		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
<u>US 2002091134</u>	A1	20020711	<u>US 2001-902845</u>	20010711
<u>EP 1299393</u>	A2	20030409	<u>EP 2001-952616</u>	20010711
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
<u>BR 2001012350</u>	A	20030624	<u>BR 2001-12350</u>	20010711
<u>JP 2004502774</u>	T2	20040129	<u>JP 2002-509320</u>	20010711
<u>RITY APPLN. INFO.:</u>			<u>US 2000-217412P</u>	P 20000711
			<u>WO 2001-US21818</u>	W 20010711

OTHER SOURCE(S) : MARPAT 136:118393
GI

OTHER SOURCE(S) : MARPAT 136 : 118393

GI



AB Title compds. I [R1 = alk(en/yn)yl, cycloalkyl, 5-cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents; R2 = H, alk(en/yn)yl, cycloalkyl, cycloalkylalkyl and haloalkyl; R3 = H, halo, alkyl, haloalkyl and cycloalkyl, wherein alkyl, haloalkyl and

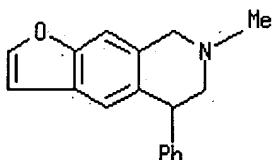
cycloalkyl are optionally substituted with 1 to 3 substituents selected from alkoxy and amino; R4-6 = H, halo, alkoxy, NO₂, amino, amido, ureido, S(O)_n, CN, acyl, carboxy, carboxamide, alk(en/yn)yl, cycloalkyl and cycloalkylalkyl; alternatively R5-6 = O-alkyl-O; R7 = H, halo and alkoxy; X = O, NH (and substituted derivs.) and S; n = 0 - 2] with some provisos, were prepd. E.g., 7-formylbenzofuran was converted to the corresponding methylamino-Me deriv. (MeOH, MeNH₂, NaBH₄), alkylated with p-chlorophenacyl bromide (CH₂Cl₂, Et₃N) and reduced to the amino alc. (CH₂Cl₂, NaBH₄, 5 h, 0° → room temp.). This intermediate was treated dropwise with MsOH (CH₂Cl₂, 0°C → reflux, overnight) to give II as a yellow oil (18% overall yield). Over 150 synthetic examples were provided. Compds. I are selective neurotransmitter receptor binding ligands (no data). I are useful in the treatment of attention-deficit hyperactivity disorder.

IT 389845-75-4P

RL: BYP (Byproduct); PREP (Preparation)
(byproduct; prepn. and use of furan-fused-4-Ph substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD))

RN 389845-75-4 HCAPLUS

CN Furo[3,2-g]isoquinoline, 5,6,7,8-tetrahydro-7-methyl-5-phenyl- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1 STRUCTURE UPLOADED
 L2 34 S L1
 L3 STRUCTURE UPLOADED
 L4 30 S L3
 L5 1786 S L3 FULL
 L6 2027 S L2 FULL
 L7 241 S L6 NOT L5
 L8 STRUCTURE UPLOADED
 L9 33 S L8
 L10 1889 S L8 FULL
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

L14 1 S L12 AND BECK, J?/AU

=> s 112 not 114

L15 23 L12 NOT L14

=> s l15 and pechulis, a?/au
 8 PECHULIS, A?/AU
 L16 0 L15 AND PECHULIS, A?/AU

=> s l15 and harms, a?/au
 225 HARMS, A?/AU
 L17 0 L15 AND HARMS, A?/AU

=> file caold			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	9.48	635.83	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-0.69	-0.69	

FILE 'CAOLD' ENTERED AT 20:12:41 ON 14 APR 2004
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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004
 L1 STRUCTURE uploaded
 L2 34 S L1
 L3 STRUCTURE uploaded
 L4 30 S L3
 L5 1786 S L3 FULL
 L6 2027 S L2 FULL
 L7 241 S L6 NOT L5
 L8 STRUCTURE uploaded
 L9 33 S L8
 L10 1889 S L8 FULL
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004
 L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004
 L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

L14 1 S L12 AND BECK, J?/AU
L15 23 S L12 NOT L14
L16 0 S L15 AND PECHULIS, A?/AU
L17 0 S L15 AND HARMS, A?/AU

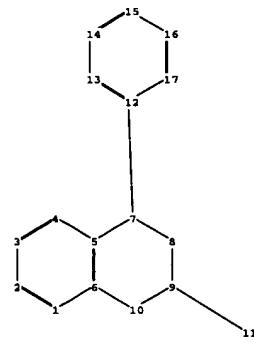
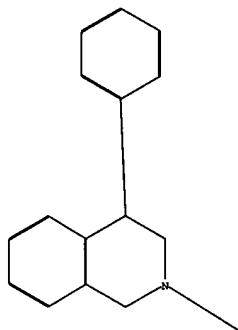
FILE 'CAOLD' ENTERED AT 20:12:41 ON 14 APR 2004

=> s l11
L18 0 L11

=> log y

	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	0.42	636.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.69

STN INTERNATIONAL LOGOFF AT 20:13:22 ON 14 APR 2004

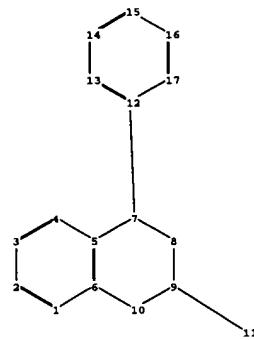
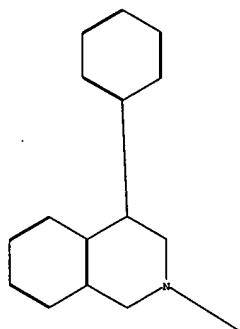


```

ring nodes :
 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17
ring/chain nodes :
 11
chain bonds :
 7-12 9-11
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 12-13 12-17 13-14 14-15 15-16
 16-17
exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 9-11
exact bonds :
 7-12
normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
  containing 12 :

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

```

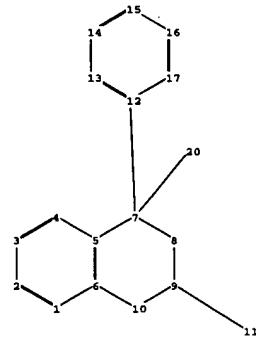
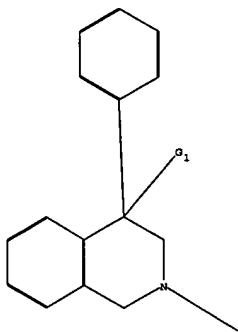


```

ring nodes :
 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17
ring/chain nodes :
 11
chain bonds :
 7-12 9-11
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 12-13 12-17 13-14 14-15 15-16
 16-17
exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 9-11
exact bonds :
 7-12
normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
  containing 1 : 12 :

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

```



chain nodes :
 20
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17
 ring/chain nodes :
 11
 chain bonds :
 7-12 7-20 9-11
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 12-13 12-17 13-14 14-15 15-16
 16-17
 exact/norm bonds :
 5-7 6-10 7-8 7-20 8-9 9-10 9-11
 exact bonds :
 7-12
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
 isolated ring systems :
 containing 12 :

G1:H,O,S,X

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:CLASS